

CLAIMS IN ACCORDANCE WITH THE SELECTED RESTRICTION:

What is claimed is:

1 (canceled).

2 (canceled).

3 (canceled).

4 (canceled).

5 (canceled).

6 (canceled).

7 (canceled).

8 (canceled).

9 (canceled).

10 (canceled).

11 (canceled).

12 (currently amended). A system for wiping a windshield of a vehicle in a rectangular field, including a wiper arm assembly, a wiper blade assembly operationally attached to said wiper arm assembly, and means for rotating and

translating said wiper arm assembly to cause said wiper blade assembly to track in a linear path across said windshield,~~A system in accordance with Claim 1~~ wherein said means for rotating and translating comprises:

- a) a mounting plate;
- b) a gear train including a first gear disposable adjacent said windshield, a second gear meshed with said first gear, and a third gear meshed with said second gear, said first, second, and third gears having first, second, and third axes, respectively, included in a straight line including a virtual pivot point, said first gear being non-rotationally attached to said mounting plate;
- c) a first non-linear track formed in said mounting plate;
- d) a motor having a stator and a rotor, said stator being slidable in said first track, and said rotor being supportive of said second gear; and
- e) a wiper arm fixedly attached at an inner end thereof to said third gear,

wherein rotation of said second gear by said motor causes an outer end of said wiper arm to be drawn in a linear path across said windshield.

13 (original). A system in accordance with Claim 12 further comprising a second track formed in said mounting plate for guiding said third gear in motion about said virtual pivot point.

14 (original). A system in accordance with Claim 13 further comprising:

- a) an attitude arm having inner and outer ends;

b) a first tab extending between said inner end of said wiper arm and said inner end of said attitude arm; and

c) a second tab extending between said outer end of said wiper arm and an outer end of said attitude arm, defining a parallelogram arrangement thereamong, said wiper blade assembly being fixedly attached to said second tab.

15 (original). A system in accordance with Claim 12 wherein the angle subtended by said first gear is one-half the angle subtended by said third gear.

16 (original). A system in accordance with Claim 12 wherein the radius of said third gear is one-half the radius of said first gear.

17 (original). A system in accordance with Claim 12 wherein said system has a nominal sweep angle between sweep extremes of about 120 degrees.

18 (original). A system in accordance with Claim 13 wherein said first and second tracks are circular and concentric upon said virtual pivot point.

19 (withdrawn). A system in accordance with Claim 13 wherein at least one of said first and third gears is a non-circular gear defining a cam gear and wherein said first and second tracks are non-circular.

20 (withdrawn). A vehicle comprising a windshield and a windshield wiping system, said system including

a wiper arm assembly,
a wiper blade assembly operationally attached to said wiper arm assembly, and
means for rotating and translating said wiper arm assembly to cause said wiper blade assembly to track in a linear path across said windshield.

21 (withdrawn). A gear train for rotating and translating a wiper arm for a windshield wiper to create a wiped field on a windshield, comprising:

- a) a first gear;
- b) a second gear meshed with said first gear; and
- c) a third gear supportive of said wiper arm and meshed with said second gear, said first, second, and third gears having first, second, and third parallel axes, respectively, wherein said first gear is non-rotational.

22 (withdrawn). A gear train in accordance with Claim 21 further comprising means for causing said second and third gears to rotate about said first gear.

23 (withdrawn). A gear train in accordance with Claim 22 wherein said means for causing is attached to said second gear.

24 (withdrawn). A gear train in accordance with Claim 21 wherein said first, second, and third parallel axes are included in a plane that also includes a virtual pivot axis coincident with said first gear axis.

25 (withdrawn). A gear train in accordance with Claim 21 further comprising:

a) a non-linear track; and

b) a motor having a stator and a rotor, said stator being slidable in said track, and said rotor being supportive of said second gear,

wherein rotation of said second gear by said motor causes said stator to be drawn along said track and causes an outer portion of said wiper arm to be drawn in a path across said windshield to create said wiped field.

26 (withdrawn). A gear train in accordance with Claim 25 wherein said path is linear and said wiped field is rectangular.

27 (withdrawn). A gear train in accordance with Claim 25 wherein said path is non-linear and said wiped field is rectarcuate.

28 (withdrawn). A gear train in accordance with Claim 21 wherein the central angle subtended by said first gear is less than the central angle subtended by said third gear.

29 (withdrawn). A gear train in accordance with Claim 28 wherein the central angle subtended by said first gear is one-half the central angle subtended by said third gear.

30 (withdrawn). A gear train in accordance with Claim 21 wherein the radius of said third gear is one-half the radius of said first gear.

31 (withdrawn). A gear train in accordance with Claim 25 wherein at least one of said first and third gears is a non-circular gear defining a cam gear and wherein said track is non-circular.